

WEST[Help](#)[Logout](#)[Main Menu](#) [Search Form](#) [Result Set](#) [Show S Numbers](#) [Edit S Numbers](#) [Referring Patents](#)[First Hit](#)[Previous Document](#)[Next Document](#)[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Claims](#) [KWC](#)**Document Number 1**

Entry 1 of 3

File: USPT

Mar 30, 1999

US-PAT-NO: 5889943

DOCUMENT-IDENTIFIER: US 5889943 A

TITLE: Apparatus and method for electronic mail virus detection and elimination

DATE-ISSUED: March 30, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ji; Shuang	Foster City	CA	N/A	N/A
Chen; Eva	Cupertino	CA	N/A	N/A
Liang; Yung-Chang	Cupertino	CA	N/A	N/A
Tsai; Warren	Taipei	N/A	N/A	TWX

US-CL-CURRENT: 713/201; 340/825.34, 713/188

ABSTRACT:

The detection and elimination of viruses on a computer network is disclosed. An apparatus for detecting and eliminating viruses which may be introduced by messages sent through a postal node of a network electronic mail system includes polling and retrieval modules in communication with the postal node to determine the presence of unscanned messages and to download data associated with them to a node for treatment by a virus analysis and treatment module. A method for detecting and eliminating viruses introduced by an electronic mail system includes polling the postal node for unscanned messages, downloading the messages into a memory of a node, and performing virus detection and analysis at the node.

42 Claims, 24 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 19

[Main Menu](#) [Search Form](#) [Result Set](#) [Show S Numbers](#) [Edit S Numbers](#) [Referring Patents](#)[First Hit](#)[Previous Document](#)[Next Document](#)[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Claims](#) [KWC](#)[Help](#)[Logout](#)